BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Development of Roads and Drains in Ward no.08, Kodigehalli sub Division

									Estimation Cost.Rs	30000000.00
Sl No	**Description of work**		**Mesurement**				**Qty**	**Rate**	**Amount**	
		Unit	**No.**	**L**	**B**	**D**				
1.00	KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80									
	New Drain									
	Lottegolahalli									
	9th Cross Road	Cum	1	111.00	0.85	0.90	84.92			
	7th Cross Road	Cum	1	172.00	0.85	0.90	131.58			
	New Culvert									
	sanuboga narayanappa layout near Bharath Tailors	Cum	1	7.40	1.95	1.10	15.87			
	Drain Desilting									
	Sahakara Nagara									
	10th Main Road	Cum	2	133.00	0.50	0.45	59.85			
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)	Cum	2	191.00	0.50	0.45	85.95			
	1st A Main Road (20D Cross Road)	Cum	2	15.00	0.60	0.60	10.80			
	Tata Nagar									
	8th Cross Road	Cum	1	447.00	0.60	0.60	160.92			
	4th Cross Road	Cum	1	90.00	0.60	0.40	21.60			
	Shanthivana 1st Cross	cum	2	323.00	0.60	0.45	174.42			
	Kodigehalli Main Road to SWD Drain near ambabhavai temple Road	Cum	2	302.00	0.60	0.45	163.08			
	SWD Drain To Ambabhavi Temple	Cum	2	154.00	0.60	0.45	83.16			
	NTI Layout									
	Sri Lakshmi Nilaya #327	Cum	2	115.00	0.60	0.60	82.80			
	Rajiv Gandhi Nagar Nit Layout Road-1	Cum	2	244.00	0.50	0.50	122.00			
	3rd Cross Road Tata Nagara									
	LHS	Cum	1	132.00	0.50	0.50	33.00			
	RHS	Cum	1	132.00	0.50	0.50	33.00			
	NTI Layout									
	NTI Layout 1st phase #5	Cum	2.00	100.00	0.50	0.50	50.00			
	Over Burden									
	Sahakara Nagara (MCECHS Layout)									
	4th Main & 3rd Main 10th Cross	Cum	1	10.00	0.90	0.40	3.60			
	NTI Layout									
	Anjanappa House Road	Cum	1	135.00	0.60	0.40	32.40			
	For Flagging Course									

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Shanthivana 1st Cross	cum	2.00	323.00	0.30	0.60	116.28		
	Basic rate	130.00							
	Area weightage 6%	7.80							
	5Km lead & Lift= 57+(2*1.28*5)	69.80							
	Sub Total	**207.60**							
	Total						**1465.23**	**207.60**	**304181.33**
2.00	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.27-I.No.5.33)								
	Precast Drain Cover Slab								
	4th Cross Road	Sqm	1	90.00	0.75		67.50		
	Kodigehalli Main Road to SWD Drain near ambabhavai temple Road	Sqm	2	302.00	0.90		543.60		
	SWD Drain To Ambabhavi Temple	Sqm	2	154.00	0.90		277.20		
					Sub Total		**888.30**		
	Deduct 10% for Missing/Damaged						**88.83**		
							799.47		
	Consider 5% Qnty for Removing & Refixing						**39.97**		
	Drain Cover BS Slab								
	Sahakara Nagara								
	10th Main Road	Sqm	2	39.90	0.90		71.82		
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)	Sqm	2	152.80	0.90		275.04		
	1st A Main Road (20D Cross Road)	Sqm	2	12.00	1.20		28.80		
	Tata Nagar								
	8th Cross Road	Sqm	1	402.30	0.90		362.07		
	Sri Lakshmi Nilaya #327	Sqm	2	46.00	0.90		82.80		
	3rd Cross Road Tata Nagara								
	LHS	Sqm	1	132.00	0.90		118.80		
	RHS	Sqm	1	79.20	0.90		71.28		
					Sub Total		**1010.61**		
	Deduct 10% for Missing/Damaged						**101.06**		
							909.55		
	Consider 5% Qnty for Removing & Refixing						**45.48**		
	Open Drain (Sides & Bottom)		Width=Perimeter of Drain in U Shape						
	Sahakara Nagara								
	10th Main Road	Sqm	2	133.00	1.40		372.40		
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)	Sqm	2	191.00	1.40		534.80		
	1st A Main Road (20D Cross Road)	Sqm	2	15.00	1.80		54.00		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Tata Nagar								
	8th Cross Road	Sqm	1	447.00	1.80		804.60		
	NTI Layout								
	Sri Lakshmi Nilaya #327	Sqm	2	115.00	1.80		414.00		
	Rajiv Gandhi Nagar Nit	Sqm	2	244.00	1.50		732.00		
	3rd Cross Road Tata Nagara								
	LHS	Sqm	1	132.00	1.50		198.00		
	RHS	Sqm	1	132.00	1.50		198.00		
	Shanthivana 1st Cross	Sqm	2.00	323.00	1.80		1162.80		
	NTI Layout								
	NTI Layout 1st phase #5	Cum	2.00	100.00	1.50		300.00		
					Sub Total		**4770.60**		
					Total		**4770.60**		
	Deduct 10% for Missing/Damaged						**477.06**		
							4293.54		
	Consider 5% Qnty for Removing & Refixing						**214.68**		
	Basic rate	105.00							
	Area weightage 6%	6.30							
	Sub Total	**111.30**							
	Total						**300.13**	**111.30**	**33404.24**
3.00	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.								
	BS Drain	**Sqm**							
	Provide 10 % Qnty for missing and Damaged		**From Item No.2**				**477.06**		
	Basic rate	700.00							
	Area weightage 6%	42.00							
	Sub Total	**742.00**							
	Total						**477.06**	**742.00**	**353978.52**
4.00	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.								
	BS Drain	**Sqm**							
	Provide 10 % Qnty for missing and Damaged		**From Item No.2**				**101.06**		
	Basic rate	912.00							
	Area weightage 6%	54.72							
	Sub Total	**966.72**							
	Total						**101.06**	**966.72**	**97697.69**
5.00	KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification No. 2100 Pg no:222 Item no:27.18								
	For New Drain								
	Lottegolahalli								
	9th Cross Road	Cum	1	111.00	0.85	0.15	14.15		
	7th Cross Road	Cum	1	172.00	0.85	0.15	21.93		

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	For New Culvert								
	sanuboga narayanappa layout near Bharath Tailors	Cum	1	7.40	1.95	0.15	2.16		
	Basic rate	5115.00							
	Area weightage 6%	306.90							
	Sub Total	5421.90							
	Total						38.25	5421.90	207371.41
6.00	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)								
	For New Drain								
	Lottegolahalli								
	9th Cross Road								
	Bottom Slab	Cum	1	111.00	0.75	0.15	12.49		
	Side Wall	Cum	2	111.00	0.15	0.60	19.98		
	7th Cross Road								
	Bottom Slab	Cum	1	172.00	0.75	0.15	19.35		
	Side Wall	Cum	2	172.00	0.15	0.60	30.96		
					Sub Total		82.78		
	For New Culvert								
	sanuboga narayanappa layout near Bharath Tailors								
	Bottom Slab	Cum	1	7.40	1.80	0.20	2.66		
	Side Wall	Cum	2	7.40	0.20	0.75	2.22		
					Sub Total		4.88		
	Basic rate	6670.00							
	Area weightage 6%	400.20							
	Sub Total	7070.20							
	Total						87.66	7070.20	619784.34
7.00	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								
	For Drain	**Cum**	**From item No 06**				**82.78**		
			Steel assumed 55Kg/Cum of Concrete				**4552.76**		
		tonne					**4.55**		
	For Culvert	**Cum**	**From item No 06**				**4.88**		
			Steel assumed 90Kg/Cum of Concrete				**439.56**		
		tonne					**0.44**		
	Basic rate	68233.00							
	Area weightage 6%	4093.98							
	Sub Total	72326.98							

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	Total						**4.99**	**72326.98**	**361079.61**
8.00	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Drain								
	Provide 10 % Qnty for missing and Damaged		**From Item No 2**				**88.83**		
	Lottegolahalli								
	9th Cross Road	Sqm	1	111.00	0.75		83.25		
	7th Cross Road	Sqm	1	172.00	0.75		129.00		
	Shanthivana 1st Cross	Sqm	2.00	323.00	0.90		581.40		
	Data rate	**2337.00**							
	Total						**882.48**	**2337.00**	**2062355.76**
9.00	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incha								
	Culvert								
	sanuboga narayanappa layout near Bharath Tailors	Sqm	1	7.40	1.80		13.32		
	Data rate	**5418.00**							
	Total						**13.32**	**5418.00**	**72,167.76**
10	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	For Flagging Course P.C.C								
	Shanthivana 1st Cross	cum	4	323	0.30	0.10	38.76		
	For Flagging Course Coping								
	Shanthivana 1st Cross	cum	4	323	0.15	0.10	19.38		
	Basic rate	5422.00							
	Area weightage 6%	325.32							
	Sub Total	**5747.32**							
	Total						**58.14**	**5747.32**	**334149.18**
11	KSRB 5-14.1 : Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4. (P.No-27,I No-5.26.2) solid concrete blocks of size 400x150x200mm								
	For Flagging Course								
	Shanthivana 1st Cross	Sqm	2	323		0.40	258		
					Sub Total		**258.40**		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Add 40% for low lying area						**103.36**		
	Basic rate	924.00							
	Area weightage 6%	55.44							
	Sub Total	**979.44**							
	Total						**361.76**	**979.44**	**354322.21**
12	KSRB 5-11 : Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4								
	For Flagging Course								
	Shanthivana 1st Cross	Sqm	2	323		0.40	258		
					Sub Total		**258.40**		
	Add 40% for low lying area						**103.36**		
	Basic rate	811.00							
	Area weightage 6%	48.66							
	Sub Total	**859.66**							
	Total						**361.76**	**859.66**	**310990.60**
13	Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
	Shanthivana 1st Cross	Nos	2	323		/0.45	1435.56		
	Basic rate	408							
	Area weightage 6%	24.48							
	Sub Total	**432.48**							
	Total						1436	432.48	620849.07
14	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Iitem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
	Shanthivana 1st Cross	Sqm	2	323		0.35	226.10		
	Basic rate	80							
	Area weightage 6%	4.8							
	Sub Total	**84.80**							
	Total						226.10	84.80	19,173.28
15.00	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead= (I No-19.14,P No-143)								
	Road cut portion								
	Sahakara Nagara								
	10th Main Road	Cum	1	9.00	1.50	0.23	3.11		
		Cum	3	5.00	0.80	0.23	2.76		
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)	Cum	1	28.00	0.90	0.23	5.80		
		Cum	1	6.00	1.10	0.23	1.52		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	1st A Main Road (20D Cross Road)	Cum	1	11.00	1.20	0.23	3.04		
	C Block								
	21st A Cross Road (2nd Main)	Cum	1	33.00	1.50	0.23	11.39		
	Tata Nagar								
	8th Cross Road	Cum	1	69.00	0.90	0.23	14.28		
	Shanthivana 1st Cross	cum	1	64.60	0.90	0.23	13.37		
	Kodigehalli Main Road to SWD Drain near ambabhavai temple Road	Cum	1	59.80	1.20	0.23	16.50		
		Cum	1	20.00	0.80	0.23	3.68		
	SWD Drain To Ambabhavi Temple	Cum	1	15.20	0.60	0.23	2.10		
	NTI Layout								
	NTI Layout Creative child School Road	Cum	1	35.00	1.50	0.23	12.08		
	Sri Lakshmi Nilaya #327	Cum	1	30.00	1.20	0.23	8.28		
	Rajiv Gandhi Nagar Nit Layout Road-1	Cum	1	48.40	1.20	0.23	13.36		
		Cum	1	10.00	0.30	0.23	0.69		
	Rajiv Gandhi Nagar Nit Layout Road-2	Cum	1	55.00	1.00	0.23	12.65		
	3rd Cross Road Tata Nagara	Cum	1	26.00	1.80	0.23	10.76		
		Cum	1	10.00	0.50	0.23	1.15		
	Sanne gowda Layout (	Cum	1	20.00	0.90	0.23	4.14		
	near venkateshwar nilaya	Cum	1	43.00	1.20	0.23	11.87		
	Sanubogaa narayanappa	Cum	1	25.00	1.50	0.23	8.63		
	sanuboga narayanappa layout	Cum							
	sanuboga narayanappa layout near Bharath Tailors	Cum	1.00	28.00	1.00	0.23	6.44		
	UGD Cut Portion								
	SWD Drain To Ambabhavi	Cum	1	154.00	1.20	0.38	70.22		
	Shanthivana 1st Cross	cum	1.00	323.00	1.20	0.38	147.29		
	11th Cross road	Cum	1.00	55.00	1.50	0.38	31.35		
	Basic rate	41.00							
	Area weightage 6%	2.46							
	5Km lead= (2*1.28*5)	12.80							
	Sub Total	**56.26**							
	Total						**416.44**	**56.26**	**23428.91**
16.00	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3(P.No.146, I.No.19.56)								
	New Road								
	Sahakara Nagara (MCECHS Layout)								
	4th Main & 3rd Main 10th Cross	Sqm	1	80.00	6.70		536.00		

Sl No	Description of work	Unit	Measurement				Qty	Rate	Amount
			No.	L	B	D			
	Devinagar								
	4th Cross Road	Sqm	1	96.00	4.50		432.00		
	Scarified Portion								
	1st A Main Road (20D Cross Road)	Sqm	1	6.00	5.90		35.40		
	Devinagar								
	1st Cross Road	Sqm	1	21.50	4.60		98.90		
	3rd Cross Road Tata Nagara	Sqm	1	30.00	3.00		90.00		
	C Block								
	House No 1978 C Block	Sqm	1.00	30.50	4.80		146.40		
	NTI Layout								
	NTI Layout 1st phase #5	Sqm	1.00	100.00	6.00		600.00		
	Anjanappa House Road	Sqm	1.00	135.00	6.80		918.00		
	Kodava Kuisine	Sqm	1.00	115.00	6.00		690.00		
	samanvaya small and medium Enterprises Road	Sqm	1.00	107.00	6.00		642.00		
	sanuboga narayanappa layout								
	cross Road near sri krupal house #518	Sqm	1.00	81.00	6.00		486.00		
	Sri Chamundeshwari Rice Traders house #501	Sqm	1.00	69.00	5.60		386.40		
	Cross Road	Sqm	1.00	85.00	4.60		391.00		
	Basic rate	39.00							
	Area weightage 6%	2.34							
	Sub Total	**41.34**							
	Total						**5452.10**	**41.34**	**225389.81**
17.00	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)								
	Sahakara Nagara (MCECHS Layout)								
	4th Main & 3rd Main 10th Cross	Sqm	1	80.00	6.70		536.00		
	C Block								
	House No 1978 C Block	Sqm	1	30.50	4.80		146.40		
	NTI Layout								
	NTI Layout 1st phase #5	Sqm	1.00	100.00	6.00		600.00		
	Anjanappa House Road	Sqm	1	135.00	6.80		918.00		
	Kodava Kuisine	Sqm	1.00	115.00	6.00		690.00		
	samanvaya small and medium Enterprises Road	Sqm	1.00	107.00	6.00		642.00		
	sanuboga narayanappa layout								
	cross Road near sri krupal house #518	Sqm	1.00	81.00	6.00		486.00		
	Sri Chamundeshwari Rice Traders house #501	Sqm	1.00	69.00	5.60		386.40		
	Cross Road	Sqm	1.00	85.00	4.60		391.00		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Basic rate	6.00							
	Area weightage 6%	0.36							
	Sub Total	6.36							
	Total						**4795.80**	**6.36**	**30501.29**
18.00	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)								
	New Road								
	C Block								
	House No 1978 C Block	Cum	1	30.50	4.80	0.15	21.96		
	NTI Layout								
	Anjanappa House Road	Cum	1	135.00	6.80	0.15	137.70		
	samanvaya small and medium Enterprises Road	Cum	1.00	107.00	6.00	0.15	96.30		
	UGD Cut Portion								
	SWD Drain To Ambabhavi Temple	Cum	1	154.00	1.20	0.15	27.72		
	Shanthivana 1st Cross	cum	1	323.00	1.20	0.15	58.14		
	11th Cross road Lotteganahalli Layout	Cum	1	55.00	1.50	0.15	12.38		
	Basic rate	1882.00							
	Area weightage 6%	112.92							
	Sub Total	1994.92							
	Total						**354.20**	**1994.92**	**706590.69**
19.00	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)								
	Road cut portion								
	Sahakara Nagara								
	10th Main Road	Cum	1.00	9.00	1.50	0.23	3.11		
		Cum	3.00	5.00	0.80	0.23	2.76		
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)	Cum	1	28.00	0.90	0.23	5.80		
		Cum	1	6.00	1.10	0.23	1.52		
	1st A Main Road (20D Cross Road)	Cum	1	11.00	1.20	0.23	3.04		
	C Block								
	21st A Cross Road (2nd Main)	Cum	1	33.00	1.50	0.23	11.39		
	Tata Nagar								
	8th Cross Road	Cum	1	69.00	0.90	0.23	14.28		
	Kodigehalli Main Road to SWD Drain near	Cum	1	59.80	1.20	0.23	16.50		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
		Cum	1	20.00	0.80	0.23	3.68		
	SWD Drain To Ambabhavi Temple	Cum	1	15.20	0.60	0.23	2.10		
	NTI Layout								
	NTI Layout Creative child School Road	Cum	1	35.00	1.50	0.23	12.08		
	Sri Lakshmi Nilaya #327	Cum	1	30.00	1.20	0.23	8.28		
	Rajiv Gandhi Nagar Nit Layout Road-1	Cum	1	48.40	1.20	0.23	13.36		
		Cum	1	10.00	0.30	0.23	0.69		
	Rajiv Gandhi Nagar Nit Layout Road-2	Cum	1	55.00	1.00	0.23	12.65		
	3rd Cross Road Tata Nagara	Cum	1	26.00	1.80	0.23	10.76		
		Cum	1	10.00	0.50	0.23	1.15		
	Sanne gowda Layout (	Cum	1	20.00	0.90	0.23	4.14		
	near venkateshwar nilaya	Cum	1	43.00	1.20	0.23	11.87		
	Sanubogaa narayanappa	Cum	1	25.00	1.50	0.23	8.63		
	sanuboga narayanappa								
	sanuboga narayanappa	Cum	1	28.00	1.00	0.23	6.44		
	New Road								
	Sahakara Nagara (MCECHS Layout)								
	4th Main & 3rd Main 10th Cross	Cum	1.00	80.00	6.70	0.23	123.28		
	Devinagar								
	4th Cross Road	Cum	1.00	96.00	4.50	0.23	99.36		
	Devinagar								
	1st Cross Road	Cum	1.00	21.50	4.60	0.23	22.75		
	3rd Cross Road Tata Nagara	Cum	1.00	30.00	3.00	0.23	20.70		
	C Block								
	House No 1978 C Block	Cum	1.00	30.50	4.80	0.23	33.67		
	NTI Layout								
	NTI Layout 1st phase #5	Cum	1.00	100.00	6.00	0.23	138.00		
	Anjanappa House Road	Cum	1.00	135.00	6.80	0.23	211.14		
	Kodava Kuisine	Cum	1.00	115.00	6.00	0.23	158.70		
	samanvaya small and	Cum	1.00	107.00	6.00	0.23	147.66		
	sanuboga narayanappa layout								
	cross Road near sri krupal	Cum	1.00	81.00	6.00	0.23	111.78		
	Sri Chamundeshwari Rice Traders house #501	Cum	1.00	69.00	5.60	0.23	88.87		
	Cross Road	Cum	1.00	85.00	4.60	0.23	89.93		
	Scarified Portion								
	1st A Main Road (20D Cross Road)	Cum	1.00	6.00	5.90	0.23	8.14		
	UGD Cut Portion								

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	SWD Drain To Ambabhavi Temple	Cum	1	154.00	1.20	0.23	42.50		
	Shanthivana 1st Cross	cum	1	323.00	1.20	0.23	89.15		
	11th Cross road Lotteganahalli Layout	Cum	1	55.00	1.50	0.23	18.98		
	Basic rate	1888.00							
	Area weightage 6%	113.28							
	Sub Total	**2001.28**							
	Total						**1558.82**	**2001.28**	**3119626.88**
20.00	KSRRB 500-1.Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications.(P.No.158,I.No.21.1)								
	Road cut portion								
	Sahakara Nagara								
	10th Main Road	Sqm	1.00	9.00	1.50		13.50		
		Sqm	3.00	5.00	0.80		12.00		
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)	Sqm	1	28.00	0.90		25.20		
		Sqm	1	6.00	1.10		6.60		
	1st A Main Road (20D Cross Road)	Sqm	1	11.00	1.20		13.20		
	C Block								
	21st A Cross Road (2nd Main)	Sqm	1	33.00	1.50		49.50		
	Tata Nagar								
	8th Cross Road	Sqm	1	69.00	0.90		62.10		
	Kodigehalli Main Road to SWD Drain near ambabhavai temple Road	Sqm	1	59.80	1.20		71.76		
		Sqm	1	20.00	0.80		16.00		
	SWD Drain To Ambabhavi Temple	Sqm	1	15.20	0.60		9.12		
	NTI Layout								
	NTI Layout Creative child School Road	Sqm	1	35.00	1.50		52.50		
	Sri Lakshmi Nilaya #327	Sqm	1	30.00	1.20		36.00		
	Rajiv Gandhi Nagar Nit Layout Road-1	Sqm	1	48.40	1.20		58.08		
		Sqm	1	10.00	0.30		3.00		
	Rajiv Gandhi Nagar Nit Layout Road-2	Sqm	1	55.00	1.00		55.00		
	3rd Cross Road Tata Nagara	Sqm	1	26.00	1.80		46.80		
		Sqm	1	10.00	0.50		5.00		
	Sanne gowda Layout (Hosatti Layout main Road Mother's Blossom Appartment)	Sqm	1	20.00	0.90		18.00		
	near venkateshwar nilaya road	Sqm	1	43.00	1.20		51.60		

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	Sanubogaa narayanappa Layout Kalpatharu aapartment opposite road	Sqm	1	25.00	1.50		37.50		
	sanuboga narayanappa layout								
	sanuboga narayanappa layout near Bharath Tailors	Sqm	1	28.00	1.00		28.00		
	UGD Cut Portion								
	SWD Drain To Ambabhavi Temple	Sqm	1	154.00	1.20		184.80		
	Shanthivana 1st Cross	Sqm	1	323.00	1.20		387.60		
	11th Cross road Lotteganahalli Layout	Sqm	1	55.00	1.50		82.50		
	Basic rate	21.00							
	Area weightage 6%	1.26							
	Sub Total	**22.26**							
	Total						**1325.36**	**22.26**	**29502.51**
21.00	KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision(P.No-158,I No-21.6)								
		Sqm	From Item num 19				1325.36		
	for old Road Provide 15% Profile Correction	Sqm	from item no 22=(18346X15%)=2751.90				2751.90		
	Basic rate	27.00							
	Area weightage 6%	1.62							
	Sub Total	**28.62**							
	Total						**4077.26**	**28.62**	**116691.18**
22.00	KSRRB M500-17. Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)								
	old Road								
	for old Road Provide 15% Profile Correction		from item no 22=(18346X15%)=2751.90				18346.00		
		Cum		2751.90		0.05	137.60		
	Road cut portion								
	Sahakara Nagara								
	10th Main Road	Cum	1.00	9.00	1.50	0.05	0.68		
		Cum	3.00	5.00	0.80	0.05	0.60		
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)	Cum	1	28.00	0.90	0.05	1.26		
		Cum	1	6.00	1.10	0.05	0.33		
	1st A Main Road (20D Cross Road)	Cum	1	11.00	1.20	0.05	0.66		
	C Block								
	21st A Cross Road (2nd Main)	Cum	1	33.00	1.50	0.05	2.48		
	Tata Nagar								
	8th Cross Road	Cum	1	69.00	0.90	0.05	3.11		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Kodigehalli Main Road to SWD Drain near ambabhavai temple Road	Cum	1	59.80	1.20	0.05	3.59		
		Cum	1	20.00	0.80	0.05	0.80		
	SWD Drain To Ambabhavi Temple	Cum	1	15.20	0.60	0.05	0.46		
	NTI Layout								
	NTI Layout Creative child School Road	Cum	1	35.00	1.50	0.05	2.63		
	Sri Lakshmi Nilaya #327	Cum	1	30.00	1.20	0.05	1.80		
	Rajiv Gandhi Nagar Nit Layout Road-1	Cum	1	48.40	1.20	0.05	2.90		
		Cum	1	10.00	0.30	0.05	0.15		
	Rajiv Gandhi Nagar Nit Layout Road-2	Cum	1	55.00	1.00	0.05	2.75		
	3rd Cross Road Tata Nagara	Cum	1	26.00	1.80	0.05	2.34		
		Cum	1	10.00	0.50	0.05	0.25		
	Sanne gowda Layout (Hosatti Layout main Road Mother's Blossom Appartment)	Cum	1	20.00	0.90	0.05	0.90		
	near venkateshwar nilaya road	Cum	1	43.00	1.20	0.05	2.58		
	Sanubogaa narayanappa Layout Kalpatharu aapartment opposite road	Cum	1	25.00	1.50	0.05	1.88		
	sanuboga narayanappa layout	Cum							
	sanuboga narayanappa layout near Bharath Tailors	Cum	1	28.00	1.00	0.05	1.40		
	UGD Cut Portion								
	SWD Drain To Ambabhavi Temple	Cum	1	154.00	1.20	0.05	9.24		
	Shanthivana 1st Cross	Cum	1	323.00	1.20	0.05	19.38		
	11th Cross road Lotteganahalli Layout	Cum	1	55.00	1.50	0.05	4.13		
	Basic rate	6224.00							
	Area weightage 6%	373.44							
	Sub Total	**6597.44**							
	Total						**203.86**	**6597.44**	**1344973.91**
23.00	KSRRB 500-2.Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.(P.No.158,I.No.21.2).								
	Old Roads								
	Sahakara Nagara								
	10th Main Road	Sqm	1	133.00	4.50		598.50		
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)	Sqm	1	191.00	7.20		1375.20		
	Sahakara Nagara (MCECHS Layout)								

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	1st A Main Road (20D Cross Road)	Sqm	1	9.00	5.90		53.10		
	C Block								
	21st A Cross Road (2nd Main)	Sqm	1	189.00	5.50		1039.50		
	Tata Nagar								
	8th Cross Road	Sqm	1	447.00	6.50		2905.50		
	Devinagar								
	4th Cross Road	Sqm	1	96.00	4.50		432.00		
	Shanthivana 1st Cross	Sqm	1	323.00	5.00		1615.00		
	1st Cross Road	Sqm	1	21.50	4.60		98.90		
	Kodigehalli Main Road to SWD Drain near ambabhavai temple Road	Sqm	1	302.00	5.30		1600.60		
	SWD Drain To Ambabhavi Temple	Sqm	1	154.00	4.80		739.20		
	NTI Layout								
	NTI Layout 1st phase #5	Sqm	1.00	100.00	6.00		600.00		
	Sri Lakshmi Nilaya #327	Sqm	1	115.00	6.00		690.00		
	Rajiv Gandhi Nagar Nit Layout Road-1	Sqm	1	244.00	4.70		1146.80		
	Rajiv Gandhi Nagar Nit Layout Road-2	Sqm	1.00	164.00	6.60		1082.40		
	3rd Cross Road Tata Nagara	Sqm	1	132.00	6.20		818.40		
	Sanne gowda Layout (Hosatti Layout main Road Mother's Blossom Appartment)	Sqm	1.00	138.00	7.20		993.60		
	near venkateshwar nilaya	Sqm	1.00	166.00	6.50		1079.00		
	Sanubogaa narayanappa Layout Kalpatharu	Sqm	1.00	74.00	6.20		458.80		
	sanuboga narayanappa layout	Sqm							
	sanuboga narayanappa layout near Bharath Tailors	Sqm	1.00	123.00	6.50		799.50		
	11th Cross road Lotteganahalli Layout	Sqm	1.00	55.00	4.00		220.00		
				Sub Total			**18346.00**		
	Basic rate	5.00							
	Area weightage 6%	0.30							
	Sub Total	**5.30**							
	Total						**18346.00**	**5.30**	**97233.80**
24.00	KSRRB 500-7. Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications (P.No-161,I No-21.7)								
	Road	Sqm		From Item num 24			18346.00		
	Basic rate	12.00							
	Area weightage 6%	0.72							
	Sub Total	**12.72**							
	Total						**18346.00**	**12.72**	**233361.12**

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
25.00	Providing and laying Bituminous Concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment , rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.Clause 507 of MORTH V revision as per IRC SP-53-2015 - using 40-60 TPH capacity HMP with mechanical Paver, Gr-II (30-45mm) with 5.4 % of modified bitumen binder consisting of 4.97% VG- 30 bitumen (60/70 grade) 0.43% Plastomeric Thermoplastics (Waste plastic Additive). (P.No-1711 No-21.78.12)								
	For old Roads								
	Sahakara Nagara								
	10th Main Road	Cum	1	133.00	4.50	0.04	23.94		
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)	Cum	1	191.00	7.20	0.04	55.01		
	Sahakara Nagara (MCECHS Layout)								
	4th Main & 3rd Main 10th Cross	Cum	1	80.00	6.70	0.04	21.44		
	1st A Main Road (20D Cross Road)	Cum	1	15.00	5.90	0.04	3.54		
	C Block								
	House No 1978 C Block	Cum	1	30.50	4.80	0.04	5.86		
	21st A Cross Road (2nd Main)	Cum	1	189.00	5.50	0.04	41.58		
	Tata Nagar								
	8th Cross Road	Cum	1	447.00	6.50	0.04	116.22		
	Devinagar								
	4th Cross Road	Cum	1	96.00	4.50	0.04	17.28		
	Shanthivana 1st Cross	cum	1	323.00	5.00	0.04	64.60		
	Devinagar								
	1st Cross Road	Cum	1	43.00	4.60	0.04	7.91		
	Kodigehalli Main Road to SWD Drain near ambabhavai temple Road	Cum	1	302.00	5.30	0.04	64.02		
	SWD Drain To Ambabhavi Temple	Cum	1	154.00	4.80	0.04	29.57		
	NTI Layout								
	NTI Layout 1st phase #5	Cum	1	100.00	6.00	0.04	24.00		
	NTI Layout Creative child School Road	Cum	1	219.00	5.50	0.04	48.18		
	Anjanappa House Road	Cum	1	135.00	6.80	0.04	36.72		
	Sri Lakshmi Nilaya #327	Cum	1	115.00	6.00	0.04	27.60		
	Rajiv Gandhi Nagar Nit Layout Road-1	Cum	1	244.00	4.70	0.04	45.87		
	Rajiv Gandhi Nagar Nit Layout Road-2	Cum	1	164.00	6.60	0.04	43.30		
	3rd Cross Road Tata Nagara	Cum	1	132.00	6.20	0.04	32.74		
	Sanne gowda Layout (Hosatti Layout main Road Mother's Blossom Appartment)	Cum	1	138.00	7.20	0.04	39.74		
	Kodava Kuisine	Cum	1	115.00	6.00	0.04	27.60		
	samanvaya small and medium Enterprises Road	Cum	1	107.00	6.00	0.04	25.68		

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	near venkateshwar nilaya road	Cum	1	166.00	6.50	0.04	43.16		
	Sanubogaa narayanappa Layout Kalpatharu aapartment opposite road	Cum	1	74.00	6.20	0.04	18.35		
	sanuboga narayanappa layout								
	cross Road near sri krupal house #518	Cum	1	81.00	6.00	0.04	19.44		
	Sri Chamundeshwari Rice Traders house #501	Cum	1	69.00	5.60	0.04	15.46		
	Cross Road	Cum	1	85.00	4.60	0.04	15.64		
	sanuboga narayanappa layout near Bharath Tailors	Cum	1	123.00	6.50	0.04	31.98		
	11th Cross road Lotteganahalli Layout	Cum	1	55.00	4.00	0.04	8.80		
	Basic rate	7315.00							
	Area weightage 6%	438.90							
	Sub Total	**7753.90**							
	Total						**955.22**	**7753.90**	**7406711.37**
26.00	KSRRB M800-13.**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)								
	For old Roads								
	Sahakara Nagara								
	10th Main Road								
	at centre	Sqm	0.5	133.00	0.10		6.65		
	Alahabad Bank Road 12th Main (Sri Vekateshwara Nilaya to Concrete Road)								
	at centre	Sqm	0.5	191.00	0.10		9.55		
	at Edge	Sqm	2	191.00	0.10		38.20		
	Sahakara Nagara (MCECHS Layout)								
	4th Main & 3rd Main 10th Cross								
	at centre	Sqm	0.5	80.00	0.10		4.00		
	at Edge	Sqm	2	80.00	0.10		16.00		
	1st A Main Road (20D Cross Road)								
	at centre	Sqm	0.50	15.00	0.10		0.75		
	at Edge	Sqm	2	15.00	0.10		3.00		
	C Block								
	House No 1978 C Block								
	at centre	Sqm	0.50	30.50	0.10		1.53		
	21st A Cross Road (2nd Main)	Sqm							
	at centre	Sqm	0.50	189.00	0.10		9.45		
	at Edge	Sqm	2	189.00	0.10		37.80		
	Tata Nagar	Sqm							
	8th Cross Road								
	at centre	Sqm	0.50	447.00	0.10		22.35		
	at Edge	Sqm	2	447.00	0.10		89.40		
	Devinagar	Sqm							

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	4th Cross Road								
	at centre	Sqm	0.50	96.00	0.10		4.80		
	Shanthivana 1st Cross								
	at centre	Sqm	0.50	323.00	0.10		16.15		
	1st Cross Road								
	at centre	Sqm	0.50	43.00	0.10		2.15		
	Kodigehalli Main Road to SWD Drain near ambabhavai temple Road								
	at centre	Sqm	0.50	302.00	0.10		15.10		
	at Edge	Sqm	2	302.00	0.10		60.40		
	SWD Drain To Ambabhavi Temple								
	at centre	Sqm	0.5	154.00	0.10		7.70		
	NTI Layout	Sqm							
	NTI Layout 1st phase #5								
	at centre	Sqm	0.50	100.00	0.10		5.00		
	at Edge	Sqm	2	100.00	0.10		20.00		
	NTI Layout Creative child School Road								
	at centre	Sqm	0.50	219.00	0.10		10.95		
	at Edge	Sqm	2	219.00	0.10		43.80		
	Anjanappa House Road	Sqm							
	at centre	Sqm	0.50	135.00	0.10		6.75		
	at Edge	Sqm	2	135.00	0.10		27.00		
	Sri Lakshmi Nilaya #327	Sqm							
	at centre	Sqm	0.5	115.00	0.10		5.75		
	at Edge	Sqm	2	115.00	0.10		23.00		
	Rajiv Gandhi Nagar Nit Layout Road-1								
	at centre	Sqm	0.5	244.00	0.10		12.20		
	Rajiv Gandhi Nagar Nit Layout Road-2								
	at centre	Sqm	0.5	164.00	0.10		8.20		
	at Edge	Sqm	2	164.00	0.10		32.80		
	3rd Cross Road Tata Nagara								
	at centre	Sqm	0.50	132.00	0.10		6.60		
	at Edge	Sqm	2	132.00	0.10		26.40		
	Sanne gowda Layout (Hosatti Layout main Road Mother's Blossom Appartment)	Sqm							
	at centre	Sqm	0.50	138.00	0.10		6.90		
	at Edge	Sqm	2	138.00	0.10		27.60		
	Kodava Kuisine								
	at centre	Sqm	0.50	115.00	0.10		5.75		
	at Edge	Sqm	2	115.00	0.10		23.00		
	samanvaya small and medium Enterprises Road								
	at centre	Sqm	0.50	107.00	0.10		5.35		
	at Edge	Sqm	2	107.00	0.10		21.40		
	near venkateshwar nilaya road								
	at centre	Sqm	0.50	166.00	0.10		8.30		
	at Edge	Sqm	2	166.00	0.10		33.20		
	Sanubogaa narayanappa Layout Kalpatharu aapartment opposite road								

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	at centre	Sqm	0.50	74.00	0.10		3.70		
	at Edge	Sqm	2	74.00	0.10		14.80		
	sanuboga narayanappa layout								
	cross Road near sri krupal house #518								
	at centre	Sqm	0.50	81.00	0.10		4.05		
	at Edge		2	81.00	0.10		16.20		
	Sri Chamundeshwari Rice Traders house #501								
	at centre	Sqm	0.50	69.00	0.10		3.45		
	at Edge	Sqm	2	69.00	0.10		13.80		
	Cross Road								
	at centre	Sqm	0.50	85.00	0.10		4.25		
	sanuboga narayanappa layout near Bharath Tailors								
	at centre	Sqm	0.50	123.00	0.10		6.15		
	at Edge	Sqm	2	123.00	0.10		24.60		
	11th Cross road Lotteganahalli Layout								
	at centre	Sqm	0.50	55.00	0.10		2.75		
	Basic rate	429.00							
	Area weightage 6%	25.74							
	Sub Total	**454.74**							
	Total						**798.68**	**454.74**	**363189.47**

BRIDGE

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
27	KSRRB M200-13.2:Dismantling of existing structures like culverts,bridges,retaining walls and other structure comprising of masonry,cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Mechanical means No. KBS Pg No 136 ,Item No 18.21,								
	Deck Slab	Cum	1	11.70	6.12	0.40	28.64		
	Bottom Slab / wearing course	Cum	1	11.70	5.37	0.30	18.85		
		Cum	1	2.30	5.37	0.30	3.71		
		Cum	1	2.90	5.37	0.30	4.67		
	Basic rate							739.00	
	Area weightage 8%							59.12	
	Total						55.87	798.12	44588.97
28	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications **Dismantling brick/Tile work B. In cement mortar**. Pg No.136 Item No.18.23								
	Super structure								
	RCC Wall	Cum	2	2.90	0.25	2.90	4.21		
		Cum	2	2.30	0.25	2.90	3.34		
	Total								
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						7.54	379.08	2858.26
29	37.51: Dismantling **cement concrete flooring** or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 258 ,Item No 37.51,								
	Wearing Course Bottom Slab	Cum	1	14.00	6.20	0.20	17.36		
	Basic rate							86.00	
	Area weightage 8%							6.88	
	Total						17.36	92.88	1612.40
30	18.27 KSRRB M200-15.2. Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. iii)**Dismantling Stone Masonry**. B. Rubble Stone masonry in cement mortar.No. KBS Pg No 136 ,Item No 18.27,								
	SSM below deck slab	cum	2	11.70	0.90	2.00	42.12		
		cum	2	6.20	0.90	2.00	22.32		
	Basic rate							351.00	
	Area weightage 8%							28.08	
	Total						64.44	379.08	24427.92
5	Pg No 133,Item No17.4 Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.								
	DEBRIS	Cum					130.45		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						68	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.2	
	Average Weight of earth	For2Kms =2x1.3x2.2						5.72	
							130.45	67.18	8763.21
	Basic rate	62.20							
	Area weightage 8%	4.98							
	Total	67.18							
31	KSRRB M2100 Excavation in Marshy soil KSRRB 2100-5. Excavation in marshy soil upto 3m depth for foundations of structures as per drawing and technical specifications including removing the excavated stuff to a lead of 15m., including dewatering , shoring and shuttering, refilling trenches in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. MORTH Chapter 12 KBS Pg No 221, Item No 27.11								
	Excavation								
		Cum	1	19.1	8.1	3.2	495.07		
	Basic rate							902.00	
	Area weightage 8%							72.16	
	Total						495.07	974.16	482279.34
32	Diversion of water course by providing Coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., complete. - - beyond 3.00 mtrs depth upto & including 4.5m depth.								
	Coffer Dam	Cum	1	8	6.2	3	148.80		
	Basic rate							649.00	
	Area weightage 8%							51.92	
	Total						148.80	700.92	104296.90
33	KSRRB M2100 Filling the foundations KSRRB 2100-6. Filling the foundations trenches using approved sand as per drawing and technical specifications in 250mm layers, wherever necessary watering and ramming, including cost of all materials, labour complete as per specifications. MORTH Chapter 12 KBS Pg No 221, Item No 27.14								
	Excavated portion	Cum	1	19.1	8.1	0.6	92.83		
	Basic rate							3039.00	
	Area weightage 8%							243.12	
	Total						92.83	3282.12	304666.07
34	KSRRB M2100-13. Plain / Reinforced Cement Concrete M15 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum in Open Foundation complete as per Drawing and Technical Specifications MORTH Specification No. 1500,1700 & 2100. Pg No.222 Item No 27.24								
	PCC below Base slab								
		Cum	1	19.1	8.1	0.3	46.41		
	Basic rate							5103.00	
	Area weightage 8%							408.24	
	Total						46.41	5511.24	255793.18
35	KSRRB M2700- Approach Slab KSRRB M2700-6. PCC M15 Grade leveling course below approach slab complete as per drawing and Technical specification complete as per specifications MORTH Specification No. 2700 Pg No.247 Item No 32.6								
	PCC below Approach slab								
		Cum	2	19.1	6	0.15	34.38		
	Basic rate							5422.00	
	Area weightage 8%							433.76	
	Total						34.38	5855.76	201321.03

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
36	KSRRB M2100-19.2. Plain / Reinforced Cement Concrete in Open Foundation with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 complete as per Drawing and Technical Specifications Case - II : With Batching Plant, Transit Mixer and Concrete Pump MORTH Specification No. 1500,1700 & 2100 Pg No.223 Item No 27.35								
	Bottom Slab	Cum	1	19.1	8.1	0.3	46.41		
	Basic rate							5084.00	
	Area weightage 8%							406.72	
	Total						46.41	5490.72	254840.79
37	KSRRB M2200-5.15. design mix M30 with OPC cement @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 - i) Upto 5m height, Pg No.228 Item No 28.7.15								
	Side Wall	Cum	2	19.1	0.35	2.5	33.43		
	Basic rate							5415.00	
	Area weightage 8%							433.2	
	Total						33.43	5848.2	195476.09
38	Solid slab super structure KSRRB M2300-5.1. Furnishing and Placing Reinforced / Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. C. RCC with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed- 2008, Case - I : Using Concrete Mixer MORTH Specification No. 1500,1600 & 1700 - Height upto 5 m Pg No.233 Item No 29.9.1								
	Top Slab	Cum	1	19.1	6.7	0.6	76.78		
	Basic rate							6574.00	
	Area weightage 8%							525.92	
	Total						76.78	7099.92	545146.06
39	KSRRB M2100 Back Filling of abutments using wing wall & Returns KSRRB M2100-7. Earth work in excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications. VI. Backfilling in Marshy Foundation Pits." MORTH Specification No. 304 Pg No.221 Item No 27.15								
	Back Fill	Cum	2	19.1	0.6	2.95	67.61		
	Basic rate							349.00	
	Area weightage 8%							27.92	
	Total						67.61	376.92	25485.07
40	KSRRB M2200- TMT/MS Bar Reinforcement KSRRB M2200-6. Supplying, fitting and placing TMT bar reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 - TMT Bars Fe 500 Pg No.229 Item No.28.8.2								
	Bridge								
	Top Slab	Cum	Concrete Quantity				76.78		
		kg	Steel assumed 300 Kg/Cum of Concrete				23,034.60		
		tonne					23.03		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	A
	Wall And Base Slab	cum	Concrete Quantity				79.84		
		kg	Steel assumed 200 Kg/Cum of Concrete				15,967.6		
		tonne					15.97		
	Basic rate							68233.00	
	Area weightage 8%							5458.64	
	Total						39.00	73,691.6	2874136.08
41	KSRRB M2300 - 16 Provinding and laying cement concrete wearing coat with OPC cement design mix M30@360 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, and reinforcement at 75 kgs / cum with superplastisiser@ 3lts confirming to IS9103-1999 Reaffirmed- 2008 including cost of reinforcemnet complete as per drawing and Technical Specifications complete as per specifications MORTH Specfications No. 2702 Pg No.247 Item No 32.8								
	Wearing coat	Cum	1	19.1	6.7	0.1	12.80		
	Basic rate							10300.00	
	Area weightage 8%							824	
	Total						12.80	11124	142353.83
42	KSRRB M2700-7. Reinforced cement concrete M30 approach slab including reinforcement at 50kgs / cum and formwork complete as per drawing and Technical specification complete as per specifications MORTH Specification No.1500, 1600, 1700 & 2704 Pg No.247 Item No 32.7								
	Approach Slab	Cum	2	19.1		0.45	17.19		
			Triangle Area (0.15x6x0.5)						
	Basic rate							9961.00	
	Area weightage 8%							796.88	
	Total						17.19	10757.88	184927.96
43	KSRRB M2700-3. Construction of RCC railing of M30 Grade in-situ with 20 mm nominal size aggregate, true to line and grade, tolerance of vertical RCC post not to exceed 1 in 500, centre to centre spacing between vertical post not to exceed 2000 mm, leaving adequate space between vertical post for expansion, complete as per approved drawings and technical specifications complete as per specifications MORTH Specification No. 2703,1500,1600 & 1700 Pg No.247 Item No 32.3								
	Railings	m	2	6.7			13.40		
	Basic rate							1756.00	
	Area weightage 8%							140.48	
	Total						13.40	1896.48	25412.83
								Total Amount	25127091.95
								DPR Charges (1% of estimated cost)	**300000.00**
								Project management And Consultancy Charges(1% of estimated cost)	**300000.00**
								GST Charges (12% of Estimated Cost)	**3015251.03**
								Tender Premium (5 % of estimated cost)	**1256354.60**
								Miscellenious and rounding	**1302.42**
								Total Amount	**30000000.00**
								RUPEES THREE CRORE ONLY	

CERRIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum

4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP